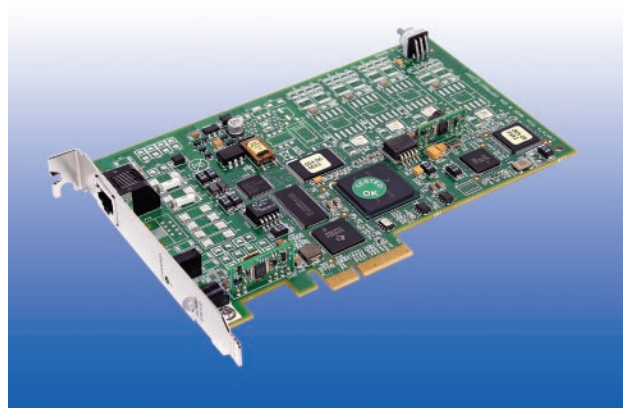


The Dialogic® Brooktrout® TruFax® Fax Boards offer small businesses and departmental workgroups dependable network fax capabilities. These intelligent fax boards support a variety of applications, such as fax server and workflow fax, and offer enterprise-level quality and performance to small businesses.

Products Discussed in This Datasheet

- Dialogic® Brooktrout® TruFax® 100 Fax Board
- Dialogic® Brooktrout® TruFax® 200 Fax Board
- Dialogic® Brooktrout® TruFax® 250 Fax Board
- Dialogic® Brooktrout® TruFax® 400 Fax Board
- Dialogic® Brooktrout® TruFax® 450 Fax Board

Dialogic delivers time-tested, industry-leading fax technology, offering a broad range of fax and fax over IP products, which are supported by more than 50 software partners and approved for use in more than 40 countries (as of 2008).



Features

Dialogic® Brooktrout® Adaptive Call Progress provides a built-in library of communications algorithms for the identification of and adaptation to various fax machines and line conditions

Purpose-built

Fax-only modulation

Error Correction Mode (ECM) – TruFax 250 and TruFax 450 models only

Modified Modified Read (MMR) compression algorithm -- TruFax 250 and TruFax 450 models only

Onboard fax protocol processing

Plug and play

Benefits

Provides compatibility, high rates of connectivity, and high transmission speeds across a wide range of fax machines and telephone line conditions

Leverages advanced fax algorithms and dedicated fax-processing power, offering performance and reliability benefits in comparison to Class 1 and Class 2 fax modems and multipurpose telephony adapters

Drops all non-T.30 packets, eliminating possible security issues related to non-T.30 packets

Allows high first-attempt transmission rates

Can reduce transmission time from 200% to 300%

Can lower a fax server's CPU utilization and improve overall system performance

Easy installation and configuration

Available in several configurations, Brooktrout TruFax Fax Boards provide up to four channels per board for dedicated send-and-receive-channel configurations. One-channel analog and two-channel BRI configurations are suitable for customers who have occasional faxing needs, but still require a very reliable fax solution. The two-channel analog and four-channel BRI configurations are generally used in network fax solutions. If Brooktrout TruFax Fax Boards are configured to send and receive faxes through separate channels, the fax solution can receive faxes in one channel and send faxes from the outbound job queue in another channel.

Table 1 lists the Brooktrout TruFax Fax Board models and some of their features. As of 2008, the ISDN telephony interface can be used in Europe and Japan.

Models	Channels	Interface	Microsoft® Shared Fax	Adaptive Call Progress	ECM	MMR
TruFax 100	1	Analog	x	x		
TruFax 200	2	Analog	x	x		
TruFax 250	2	BRI ISDN		x	x	x
TruFax 400	4	BRI ISDN		x		
TruFax 450	4	BRI ISDN		x	x	x

Table 1. Dialogic Brooktrout TruFax: Models and Features

Technical Specifications

Hardware

Note: Dialogic® Brooktrout® TruFax Fax Boards are not compatible with Dialogic® Brooktrout® TR1034 Fax Boards in the same chassis.

Analog

CPU: PowerPC 8241 @ 200 MHz
 DSP: TI C5402 (61 MIPS total)
 Media Channels: Up to 2 V.34 fax
 Network interface: 1 or 2 ALS
 Signaling: FCC part 68 and TBR21
 Physical: Half-size 33 MHz PCI 2.2 universal card (3.3/5 V signaling)
 Power: 5 W
 Up to 4 boards per server

BRI

CPU: PowerPC 8241 @ 200 MHz
 DSP: TI C5402 (61 MIPS total)
 Media channels: Up to 4 V.17 fax
 Network interface: 1 or 2 BRI
 Signaling: ISDN BRI, Euro, Japan
 Physical: half-size 33 MHz PCI 2.2 Universal card (3.3/5 V signaling)
 Power: 5 W
 Up to 4 boards per server

Environmental

Temperature: 0° – 50°C operational
 Humidity: 10% – 95% (non-condensing)

Technical Specifications *(continued)*

Fax

Up to 14.4 kbps with auto fallback

ITU T.30; Group 3

Analog: V.17, V.27, V.29, V.33 modulation

BRI: V.17, V.27ter, V.29 modulation

Normal and fine resolution: 100x200, 200x200

Analog-MH and MR compression, BRI-MH, MR compression; 250 and 450 BRI- MH, MR, and MMR compression plus ECM

Onboard image conversion

A4 page size

Format conversion “on-the-fly”: ASCII, TIFF-F call progress and call control

Dialing and call progress: Onboard DTMF generation and detection

Adaptive (SIT detection included), pulse, and DTMF

Inbound fax routing capability

BRI

International call progress and tone detection

Programmable tone and cadence detection/generation

CED, CNG, v.21 modem detection

ANI/DNIS DTMF and MF detection

Operating System Support

Windows®; Linux. Details at <http://www.dialogic.com/systemreleases>

Installation and Configuration

Windows® Plug and Play Compliant

Application Programming Interface

Dialogic® Brooktrout® Bfv API

Environmental Compliance

This electronic equipment complies with the European Union Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, Directive 2002/95/EC.

Warranty

Warranty information at <http://www.dialogic.com/warranties>

Approvals

US/Canada, European Union, Iceland, Norway, Switzerland, Australia, Japan, New Zealand, and South Africa

For current certifications and approvals, contact your Dialogic sales representative.

Ordering Information

The following table provides ordering information for Dialogic® Brooktrout® TruFax® Fax Boards.

Abbreviation	Product Code	Description
TruFax 100 LS	TruFax 100-R PCI	Half-size, one-channel fax board with analog loop start interface
TruFax 100 LS	TruFax 100-R PCI	One-channel fax board with analog loop start interface; for UK
TruFax 200 LS	TruFax 200-R PCI	Half-size, two-channel fax board with analog loop start interface
TruFax 200 BRI	TruFax 200-R BRI (2B+D)	Half-size, two-channel fax board with BRI interface
TruFax 250 BRI	TruFax 250-R BRI (2B+D)	Half-size, two-channel fax board with BRI interface and MMR; available in Europe
TruFax 400 BRI	TruFax 400-R BRI (4B+2D)	Half-size, four-channel fax board with BRI interface
TruFax 450 BRI	TruFax 450-R BRI (4B+2D)	Half-size, four-channel fax board with BRI interface, MMR, and ECM; available in Europe

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